

## Claims

- [c1] An improved seed metering disc having a seed disc, wherein the front side of said seed disc has at least one groove leading generally radially to a seed cell positioned on the periphery of said seed disc, wherein each seed cell has a recess with raised edges to hold a seed or seed packet, wherein said improvement comprises: a seed retention plate affixed to the backside of said seed disc.
- [c2] The seed metering disc of claim 1 wherein the retention plate has substantially the same diameter as the seed disc.
- [c3] The seed metering disc of claim 1, further comprising a gasket placed between the seed disc and the seed retention plate.
- [c4] A seed metering disc for metering seeds of varying sizes, comprising:  
a seed retention plate having a front side; and  
a seed disc having a front side, a backside, at least one grooved seed pocket on the front side extending generally radially towards the periphery of the seed disc and

defining at least one seed cell retention wall at an end of the seed pocket, and at least one seed cell defined by at least one seed cell retention wall and the front side of the seed retention plate;  
wherein the front side of the retention plate abuts the backside of the seed disc.

[c5] The seed metering disc of claim 4, wherein the retention plate and seed disc are generally circular and of substantially similar diameter.

[c6] The seed metering disc of claim 4, further comprising a gasket placed between the seed disc and the seed retention plate.